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Sheet 1 of 6

Application Number	09/904,348
Filing Date	07/12/2001
First Named Inventor	TOOMEY, Patrick J.
Group Art Unit	TBA 2863
Examiner Name	TBA 7/12/01
Attorney Docket Number	9925/34713

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 6

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials ¹	Cite No. ²	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Dmd	1.	BSSA, Volume 87:4; 1 Page http://www.seismosoc.org/publications/BSSA_html/bssa_87-4/96168.html	
Dmd	2.	DAVID EWINS; "Modal Testing on the Move"; ICASE Colloquium; 10/19/98; 1 Page; Imperial College of Science, Technology & Medicine, London, UK http://www.icas.edu/colloq-v3/data/colloq.Ewins.David.1998.10.19.html	
Dmd	3.	"Dynamic Mechanical Test Facilities"; Composite Material Research Group http://www.olemiss.edu/depts/compmat/dynamic.html	
Dmd	4.	G. MULLER & W. LAUTERBORN; "The Bowed String as a Nonlinear Dynamical System"; 1 Page; Institut fi Angewandte Physik, Technische Hochschule Darmstadt Scholgartenstrao 7, D-64289 Darmstadt, Germany http://www.physik.th-darmstadt.de/~mueller/acustica.html	
Dmd	5.	760023 CBS Notice; Vibrometer SOL 53SBNB760023; 12/5/96; 1 Page; National Institute of Standards and Technology, Acquisition and Assistance Division http://www.nist.gov/admin/od/contract/archive/760023.htm	
Dmd	6.	Richard Lord's Webpages, 1 Page http://www.personal.dundee.ac.uk/~relord/docs.html	
Dmd	7.	"Laboratory for Complex Flows"; Department of Aerospace Engineering & Mechanics; The University of Minnesota; 3/23/01; 1 Page http://www.aem.umn.edu/facilities/complex_flows_law.shtml	
Dmd	8.	BRIAN FABIEN, PER G. REINHALL & I. Y. (STEVE) SHEN; "Vibration and Dynamics Lab"; Copyright 1999; 1 Page; University of Washington Department of Mechanical Engineering http://www.me.washington.edu/research/vib_dyn_lab.html	
Dmd	9.	JANEEN AYANA JONES; "Modal Analysis on a Stiffened Panel: An Application of Laser Vibrometry"; M. S. Thesis Presentation; 5/26/98; 1 Page http://www.me.gatech.edu/me/theses/Jones.html	
Dmd	10.	"Vibration Test Facility"; Facility Type: Vibration Test; 1 Page http://www.wrs.afrl.af.mil/inforces/facilities/fac_78.htm	
Dmd	11.	"Name: Combined Environment Acoustic Chamber"; Facility Type: High Temperature Acoustic Test Chamber http://www.wrs.afrl.af.mil/infores/facilities/fac_71.htm	

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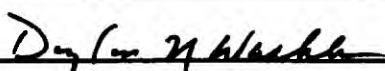
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Sheet 3 of 6**Complete if Known**

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Group Art Unit	TBA
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Attorney Docket Number	9925/34713

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DW	12.	JAYME J. CASPALL, MICHAEL D. GRAY, GARY W. CAILLE, JACEK JARZYNSKI, PETER H. ROGERS & GEORGE S. McCALL, II; "3aEA3. Development of a Scanning Laser Doppler Vibrometer for Imaging the Surface Velocity of a Submerged Vibrating Object of Arbitrary Geometry" http://www.auditory.org/acamts/aca95c1/3aEA/3aEA3.html	
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DW	14.	"Optical Metrology in Turbomachinery - Flow and Vibration Analysis"; 8 Pages http://www-ttm.tu-graz.ac.at/ttm/activ/optmet/optmet.html	
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DW	19.	"Bulletin of the Seismological Society of America", 3 Pages; Volume 87 - Number 4 - August 1997 http://www.seismosoc.org/publications/BSSA_html/bssa_87-4/ssa_toc_87-4.html	
DW	20.	"Structural Dynamics"; 4 Pages http://www.aer.bris.ac.uk/research/str_dyn/str/dyn.htm	
DW	21.	IAN FREEMAN; "Laser Measurements"; 9 Pages; THT Technologies, Inc., Campbell, CA http://www.thot-tech.com/techpapr/datatech.html	
DW	22.	Sponsors: Integrated Acoustics Laboratory, General Motors, Trelleborg Automotive; Students: Ryan Rye & Aaron Graf; Advisor: Dr. Cunefare; "Brake-Squeal Dynamometer"; 6 Pages http://www.me.gatech.edu/acoustics/IAL/projects/brake/	

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<i>DW</i>	23.	Laser-Doppler Vibrometer (LDV); 3 Pages http://acoustics.mines.edu/~jscales/polytec
<i>DW</i>	24.	"Technologies Merge to Cut Costs for Power Utilities"; 6/28/00; 3 Pages; Daily University Science News http://unisci.com/stories/20002/0628005.htm
<i>DW</i>	25.	MARK EWING; "Multi-User Equipment Award: Scanning Laser Vibrometer"; Kansas NSF EPSCoR; 8/8/01; 2 Pages; Department of Aerospace Engineering, University of Kansas http://www.nsfepscor.ukans.edu/Summaries/ewing.htm
<i>DW</i>	26.	"The Dynamic Properties Research Laboratory"; 2 Pages; Georgia Tech Dynamic Properties Research Lab Facilities http://diva.me.gatech.edu/
<i>DW</i>	27.	Faculty: Ron N. Miles, Ph.D. & James M. Pitarresi, Ph.D.; Auditory Mechanics & Bioacoustics of Directional Hearing - NSF Negatribucs & Development of Vibration Dampers for Magneticdata Storage Systems - NSF & Microelectromechanical Systems (MEMS) and biomimicry for acoustic and vibratory sensors - NIH; 4 Pages; Vibration Research Laboratory, Mechanical Engineering, State University of New York at Binghamton http://www.me.binghamton.edu/vib3.html
<i>DW</i>	28.	BENWIN; Benwin Announces Next Generation of Flat Panel Multimedia Speakers at Comdex Fall 1999; 3D Sound Surge; 2001; 3 Pages http://www.3dsoundsurge.com/press/pr455.html
<i>DW</i>	29.	Experimental Facilities; Dynamics and Aeroelasticity Research Group; 2 Pages; Manchester School of Engineering, The University of Manchester http://azathoth.eng.man.ac.uk/facilities.html
<i>DW</i>	30.	"The First "Real" Industrial Laser Vibrometer"; Laser Vibrometer from Lambda Photometrics; 2 Pages http://www.engineeringtalk.com/news/lam/lam112.html
<i>DW</i>	31.	Roush Anatrol - CAE - FEM, BEM, SEA, Kinematic; 2 Pages http://www.roushind.com/anatrol/facilities.html
<i>DW</i>	32.	Mechanical Solutions, Inc., Engineering Analysis, Test & Technology, Testing & Troubleshooting; 2 Pages http://www.mechsol.com/testing.html

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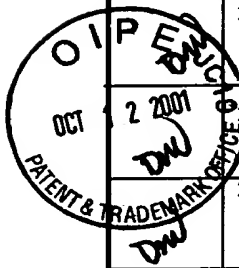
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Sheet 5 of 6

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Group Art Unit	TBA
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Attorney Docket Number	9925/34713

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DW	33.	A. FERREIRA, P. Le MOAL et P. MINOTTI; "Methode de Mesure Optique Sans-Contact Appliquee a L'analyse des Vibromoteurs Resonnants"; Copyright EDP Sciences; J. Phys III France, Vol. 6, 12/96; 2 Pages; Laboratoire de Mecanique Appliquee R. Chaleat, Associe au CNRS, 24 rue de L'Epitaphe, France http://www.edpsciences.org/articles/jp3/abs/1996/12/ajp31209/ajp31209.html	Technology Center 2100
DW	34.	Staff: John Dornhoffer, M.D., Sara Winkler & Julie Embry; The Prosper Meniere Society; 2 Pages http://www.uams.edu/prosper_meniere/Staff.htm	
DW	35.	"Laser Vibrometer on Track Toward a Quieter Highway"; Photonics Applications; 10/99; 2 Pages http://www.photonics.com/Spectra/Applications/Oct99/appsVibro.html	
DW	36.	"Industrial Applications and Principles of Laser Doppler Vibrometry"; Copyright 2000; 5 Pages http://www.imageautomation.com/ometron/applications.html	
DW	37.	"PDV-100 - Truly Portable Vibration Sensor"; Polytec; 3 Pages; OFV-3001 Vibrometer Controller; 1 Page; http://www.polytec.com/poly/LV/details/links0.htm OFV-2200 Vibrometer Controller; 1 Page; http://www.polytec.com/poly/LV/details/links18.htm Quality Control Vibrometer; 2 Pages; http://www.polytec.com/poly/LV/details/links17.htm OFV-2700-1 High Frequency Vibrometer Controller; 1 Page; http://www.polytec.com/poly/LV/details/links10.htm OFV-2700-2 High Frequency Vibrometer Controller; 1 Page; http://www.polytec.com/poly/LV/details/links11.htm Standard-Optic Vibrometer; 3 Pages; http://www.polytec.com/poly/LV/spec/links6.htm OFV-303 High Sensitivity Vibrometer Head; 1 Page; http://www.polytec.com/poly/LV/details/links1.htm OFV-353 Quality Control Vibrometer Head; 1 Page; http://www.polytec.com/poly/LV/details/links16.htm Scan Unit for OFV-303/OFV-353 Heads; 1 Page; http://www.polytec.com/poly/LV/details/links14.htm OFV-2200 Vibrometer Controller; 1 Page; http://www.polytec.com/poly/LV/details/links18.htm LSV-Applications; 1 Page; http://www.polytec.com/poly/Lsv/links2.htm Noncontact Speed and Length Measurement; 1 Page; http://www.polytec.com/poly/vel_1.htm Laser Vibrometers from the World Leader; 1 Page; http://www.polytec.com/poly/ivi_1.htm	
DW	38.	T. J. BECKER; "Engineers Merge Two Technologies to Improve Inspection of Power Pole Crossarms"; Picking Up Good Vibrations; Georgia Tech Research Horizons - Spring 2000; 3 Pages http://www.gtri.gatech.edu/rh-spr00/vibration.html	

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Sheet **6** of **6**

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<i>DW</i>	39.	Laboratory of Optics and Experimental Mechanics; Lome; Research & Development; 3 Pages http://www.fe.up.pt/~inegi/lome/research.thm	Technology Center 2100
<i>DW</i>	40.	JOE NAIMAN; "Laser Vibrometers Simplifying Bridge Condition Evaluation"; OE Reports 173; 5/98; 4 Pages http://www.spie.org/web/oer/may/may98/laservib.html	
<i>DW</i>	41.	B. KOEHLER G. HENTGES & W. MUELLER; "A Novel Technique for Advanced Ultrasonic Testing of Concrete by Using Signal Conditioning Methods & a Scanning Laser Vibrometer"; NDTnet - 7/97, Vol.2 No. 07; 6 Pages http://www.ndt.net/article/koehter2/koehter2.htm	
<i>DW</i>	42.	VS100, VS1000 Sensors; 1 Page http://www.imageautomation.com/ometron/products/vs.html	
<i>DW</i>	43.	"Kinematics of Simple Harmonic Motion"; Chapter 14: Simple Harmonic Motion; 4 Pages; Physics 14, Clemson University http://people.clemson.edu/~jhhayes/phys122/fourteen.htm	
<i>DW</i>	44.	"Hooke's Law"; 2 Pages http://www.gmi.net/~mhenders/physics/Hooke%27s~Law.htm	

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